**Supplementary Material**

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**Supplemental Table S1**: Frequencies of symptoms reported (n=115).

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| --- |
| Symptom Frequency Table |
| Symptom | Frequency of symptom reporteda | Percentb |
| Fever | 7 | 6.1% |
| Cough | 33 | 28.7% |
| Sore throat | 33 | 28.7% |
| Dyspnea | 5 | 4.4% |
| Chills | 7 | 6.1% |
| Headache | 47 | 40.9% |
| Muscle Aches | 14 | 12.2% |
| Vomiting | 0 | 0.0% |
| Abdominal Pain | 5 | 4.4% |
| Diarrhea | 3 | 2.6% |
| Loss of Taste | 0 | 0.0% |
| Loss of Smell | 0 | 0.0% |

aParticipants could report more than one symptom; frequencies do not sum to 115

bPercentage of 115 symptomatic patients reporting symptom

**Supplemental Table S2**. Among SARS-CoV-2 rRT-PCR positive samples, frequencies of BinaxNOW test results, mean Ct values, interquartile range of Ct values, and odds ratios of Ct values compared to BinaxNOW test results are reported among all, symptomatic, and asymptomatic employees.

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
|  | BinaxNOW Result | N | Ctmean (±SD) | p-valuea | CtIQRb | OR (95% CI)c |
| All Employees | Negative | 58d | 32.0 (± 7.0) | <.001 | 7.8 | Reference |
|  | Positive | 86 | 21.4 (± 5.7) |  | 8.4 | 0.80 (0.74–0.85) |
|  |  |  |  |  |  |  |
| Asymptomatic Employees | Negative | 66d | 32.3 (± 7.2) | <.001 | 6.9 | Reference |
|  | Positive | 54 | 21.5 (± 5.9) |  | 8.4 | 0.81 (0.75–0.87) |
|  |  |  |  |  |  |  |
| Symptomatic Employees | Negative | 4 | 28.5 (± 4.4) | 0.015 | 7.4 | Reference |
|  | Positive | 20 | 21.1 (± 5.2) |  | 9.3 | 0.69 (0.47–1.0) |

aTwo-sided Student’s T-test of positive and negative Ctmean within each category (total, asymptomatic, and symptomatic persons)

bIQR = Interquartile Range of Ct values

cOR=Odds Ratio; CI=Confidence Interval; Univariate logistic regression of individual Ct values compared to BinaxNOW COVID-19 antigen card test result.

dEight asymptomatic employees who received a positive rRT-PCR test were excluded from these analyses because Ct values for the N target were missing; Orf1 target amplification resulted in a positive test for all 8 specimens.